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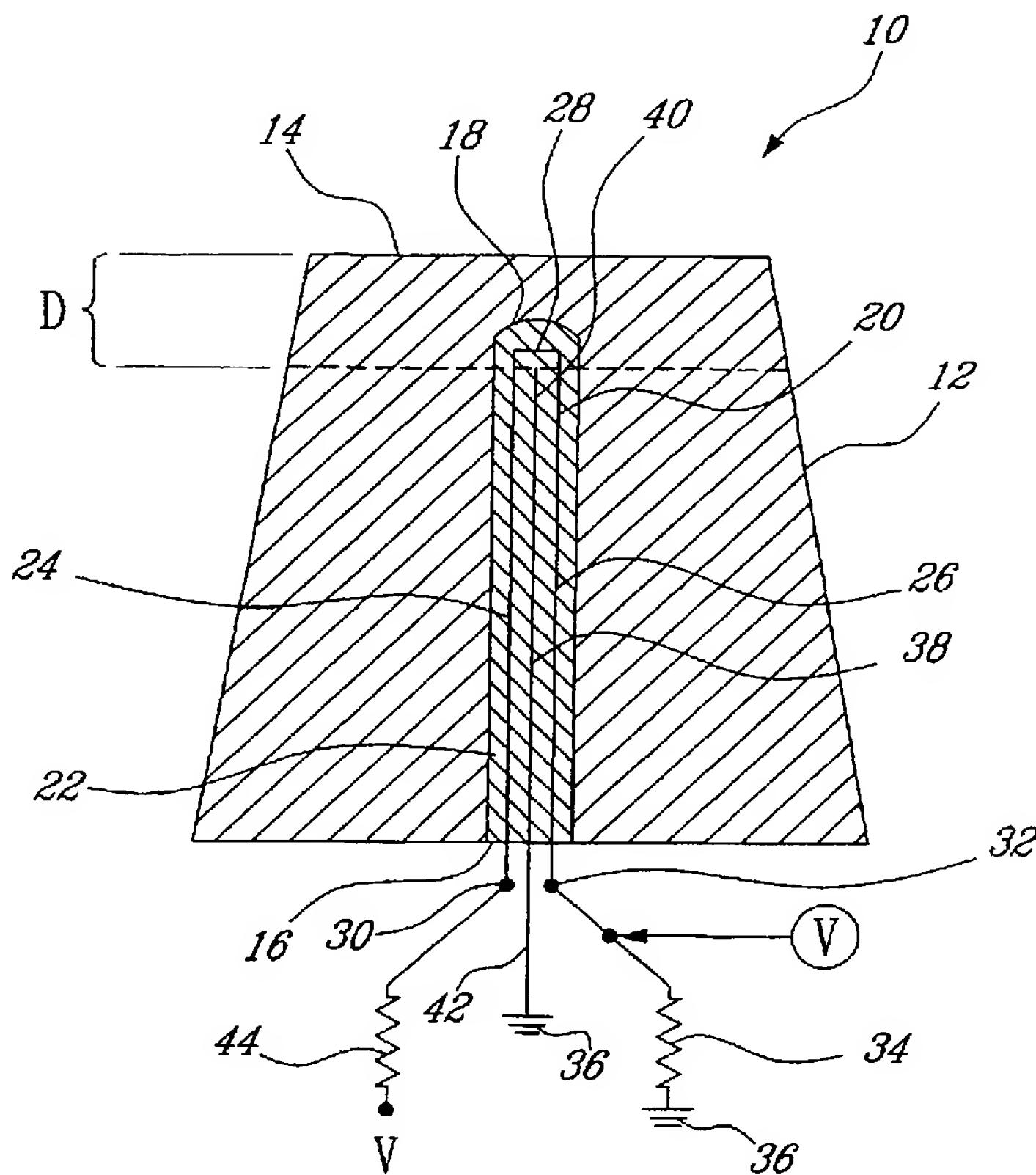
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*[Continued on next page]*

(54) Title: METHOD AND DEVICE FOR SENSING WEAR



(57) Abstract: A sensor for detecting erosion  
of a wear surface of a component, particularly  
a liner attached to the mill shell of a rotating  
grinding mill. The sensor comprises a conductive  
element embedded in the component, the  
conductive element comprising a first end pos-  
itioned at a first distance from the wear sur-  
face, at least one conductive loop comprising  
a wear portion positioned at a second distance  
from the wear surface proximate to the first end  
and a circuit coupled to the at least one element  
for determining a continuity of the conductive  
loop.

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